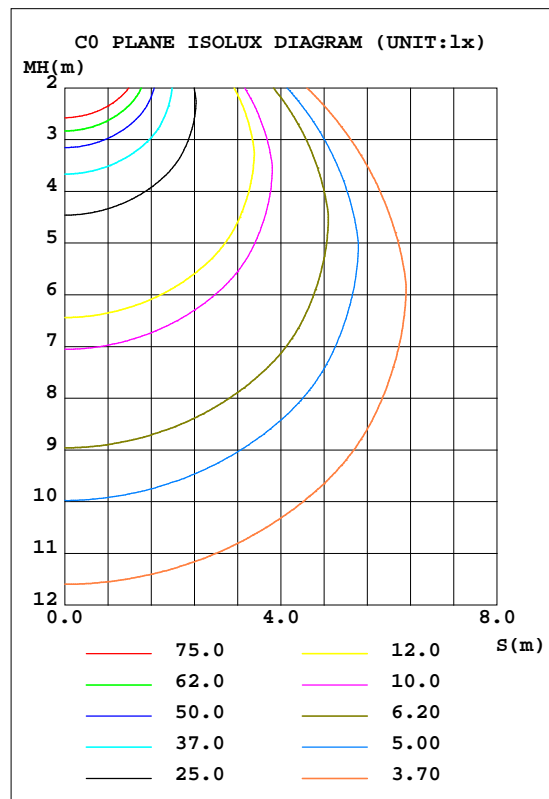
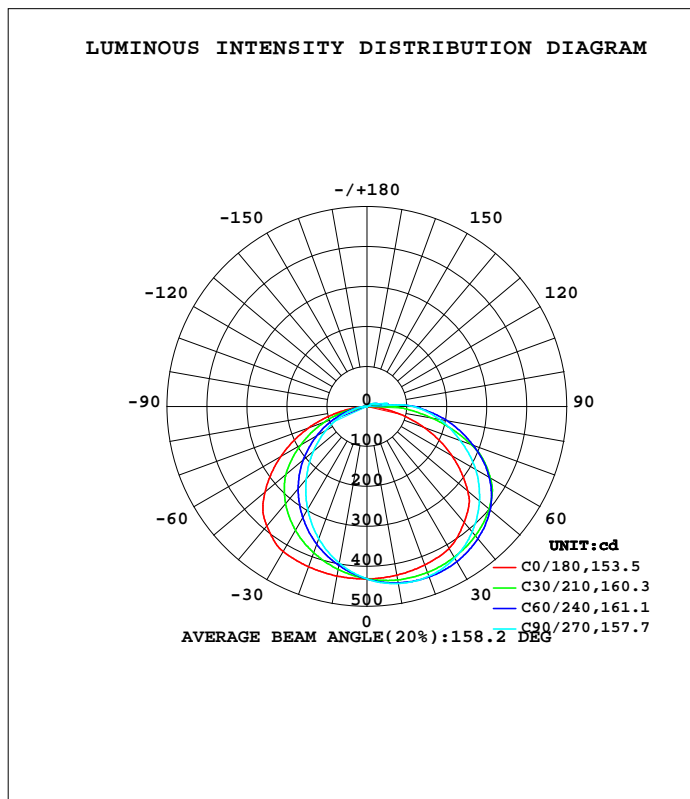


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|-----------------------------|---------|------------------|--------|--------------------|----------|
| MOBESD-UCB-40D20CC-WH-4000K | | Imax(cd) | 455.9 | S/MH(C0/180) | 1.45 |
| NOMINAL POWER(W) | 20 | LOR(%) | 100.0 | S/MH(C90/270) | 1.05 |
| RATED VOLTAGE(V) | 120 | TOTAL FLUX(lm) | 1574.4 | h UP, DN(C0-180) | 3.0,60.9 |
| NOMINAL FLUX(lm) | 1574.44 | CIE CLASS | DIRECT | h UP, DN(C180-360) | 0.4,35.7 |
| LAMPS INSIDE | 1 | h up(%) | 3.4 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 120 | h down(%) | 96.6 | CIBSE SHR MAX | 1.55 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| g | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | g | F zone | F total | %lum,lamp |
|-----|-----------------------|-------|-------|-------|--------|-------|-------|-------|---------|--------|---------|-----------|
| 10 | 428.4 | 444.7 | 449.6 | 446.0 | 430.5 | 408.2 | 397.9 | 406.7 | 0- 10 | 40.94 | 40.94 | 2.6,2.6 |
| 20 | 422.0 | 449.2 | 452.0 | 451.6 | 426.5 | 376.6 | 352.4 | 373.8 | 10- 20 | 119.0 | 159.9 | 10.2,10.2 |
| 30 | 410.2 | 444.3 | 438.4 | 447.6 | 419.1 | 336.7 | 296.9 | 332.7 | 20- 30 | 186.0 | 345.9 | 22,22 |
| 40 | 378.5 | 429.3 | 409.4 | 433.2 | 389.9 | 288.1 | 236.5 | 283.1 | 30- 40 | 234.9 | 580.8 | 36.9,36.9 |
| 50 | 329.3 | 404.2 | 367.3 | 408.4 | 332.8 | 231.0 | 175.6 | 225.7 | 40- 50 | 259.0 | 839.8 | 53.3,53.3 |
| 60 | 244.8 | 366.4 | 314.1 | 370.5 | 248.3 | 167.7 | 117.9 | 157.3 | 50- 60 | 252.0 | 1092 | 69.3,69.3 |
| 70 | 150.3 | 306.8 | 248.2 | 313.9 | 153.5 | 97.92 | 66.41 | 91.18 | 60- 70 | 211.7 | 1303 | 82.8,82.8 |
| 80 | 56.22 | 203.7 | 184.1 | 215.3 | 57.32 | 35.64 | 25.39 | 33.64 | 70- 80 | 144.3 | 1448 | 92,92 |
| 90 | 0.8924 | 110.1 | 116.5 | 119.5 | 0.7527 | 1.574 | 2.349 | 2.759 | 80- 90 | 73.57 | 1521 | 96.6,96.6 |
| 100 | 0.9456 | 29.06 | 47.53 | 35.90 | 1.118 | 1.966 | 2.030 | 1.971 | 90-100 | 25.48 | 1547 | 98.2,98.2 |
| 110 | 1.362 | 16.55 | 22.33 | 19.20 | 1.699 | 2.321 | 2.426 | 2.285 | 100-110 | 10.91 | 1558 | 98.9,98.9 |
| 120 | 1.528 | 8.776 | 13.48 | 9.602 | 1.937 | 2.312 | 2.382 | 2.170 | 110-120 | 6.615 | 1564 | 99.4,99.4 |
| 130 | 1.549 | 6.058 | 8.205 | 6.931 | 1.895 | 2.228 | 2.120 | 2.094 | 120-130 | 4.031 | 1568 | 99.6,99.6 |
| 140 | 1.536 | 4.253 | 6.692 | 4.491 | 1.759 | 2.063 | 1.978 | 1.981 | 130-140 | 2.718 | 1571 | 99.8,99.8 |
| 150 | 1.461 | 2.638 | 5.721 | 2.608 | 1.576 | 1.833 | 1.848 | 1.801 | 140-150 | 1.786 | 1573 | 99.9,99.9 |
| 160 | 1.319 | 2.024 | 2.450 | 2.225 | 1.378 | 1.473 | 1.475 | 1.428 | 150-160 | 0.9488 | 1574 | 100,100 |
| 170 | 1.353 | 1.933 | 2.499 | 2.101 | 1.337 | 1.270 | 1.126 | 1.259 | 160-170 | 0.4776 | 1574 | 100,100 |
| 180 | 1.410 | 1.614 | 1.364 | 1.561 | 1.418 | 1.610 | 1.372 | 1.547 | 170-180 | 0.1451 | 1574 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | UNIT:lm | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|--|------------------|------|------|------|--------|----------------|------|------------------|------|------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | | | | | | | | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | | | | | TYPE:0 | | | WEIGHT: | | |
| SPEC.:20W | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: ASD Lighting Corp | | | | | SUR.: | | | Shielding Angle: | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 14.5 | 16.0 | 14.8 | 16.3 | 16.6 | 14.5 | 16.0 | 14.8 | 16.3 | 16.6 |
| 3H | 16.2 | 17.6 | 16.6 | 17.9 | 18.3 | 16.8 | 18.2 | 17.1 | 18.5 | 18.8 |
| 4H | 16.8 | 18.2 | 17.2 | 18.5 | 18.9 | 17.9 | 19.3 | 18.3 | 19.6 | 20.0 |
| 6H | 17.2 | 18.6 | 17.6 | 18.9 | 19.2 | 19.2 | 20.5 | 19.6 | 20.8 | 21.2 |
| 8H | 17.3 | 18.6 | 17.7 | 19.0 | 19.3 | 19.8 | 21.1 | 20.2 | 21.4 | 21.8 |
| 12H | 17.4 | 18.6 | 17.8 | 19.0 | 19.3 | 20.6 | 21.8 | 21.0 | 22.1 | 22.5 |
| 4H 2H | 15.4 | 16.8 | 15.8 | 17.1 | 17.5 | 15.4 | 16.8 | 15.8 | 17.1 | 17.4 |
| 3H | 17.5 | 18.7 | 17.9 | 19.1 | 19.5 | 17.9 | 19.1 | 18.3 | 19.5 | 19.9 |
| 4H | 18.4 | 19.5 | 18.8 | 19.9 | 20.3 | 19.2 | 20.3 | 19.6 | 20.7 | 21.1 |
| 6H | 19.0 | 20.0 | 19.4 | 20.4 | 20.8 | 20.6 | 21.6 | 21.1 | 22.0 | 22.5 |
| 8H | 19.1 | 20.1 | 19.6 | 20.5 | 21.0 | 21.4 | 22.3 | 21.8 | 22.7 | 23.2 |
| 12H | 19.2 | 20.1 | 19.7 | 20.5 | 21.0 | 22.2 | 23.1 | 22.7 | 23.5 | 24.0 |
| 8H 4H | 19.1 | 20.0 | 19.5 | 20.4 | 20.9 | 19.8 | 20.7 | 20.2 | 21.1 | 21.6 |
| 6H | 20.0 | 20.8 | 20.5 | 21.3 | 21.8 | 21.5 | 22.2 | 22.0 | 22.7 | 23.2 |
| 8H | 20.4 | 21.1 | 20.9 | 21.6 | 22.1 | 22.4 | 23.1 | 22.9 | 23.6 | 24.1 |
| 12H | 20.6 | 21.2 | 21.2 | 21.8 | 22.3 | 23.4 | 24.0 | 24.0 | 24.6 | 25.1 |
| 12H 4H | 19.2 | 20.1 | 19.7 | 20.5 | 21.0 | 19.8 | 20.7 | 20.3 | 21.2 | 21.6 |
| 6H | 20.4 | 21.1 | 20.9 | 21.6 | 22.1 | 21.6 | 22.3 | 22.2 | 22.8 | 23.4 |
| 8H | 20.9 | 21.5 | 21.4 | 22.0 | 22.5 | 22.7 | 23.3 | 23.2 | 23.8 | 24.4 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.3 / - 0.5 | | | | | + 0.2 / - 0.4 | | | | |

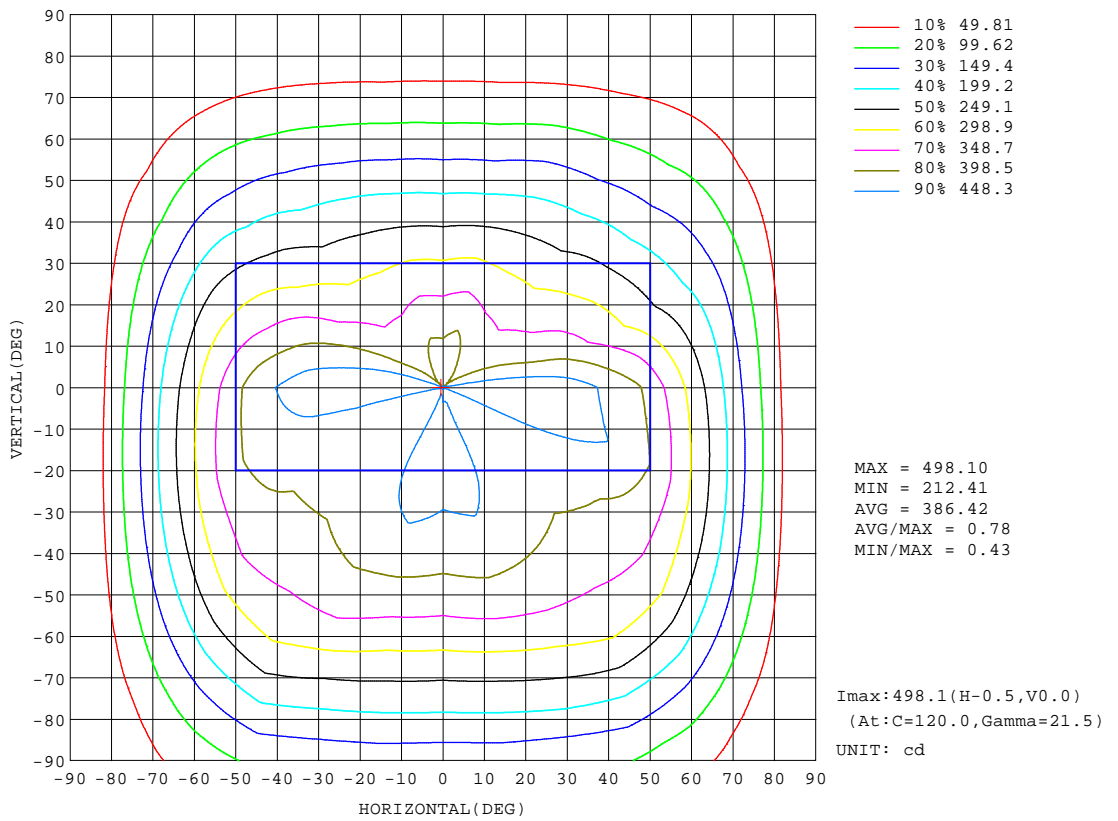
CIE Pub.117, 1574 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.6)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |



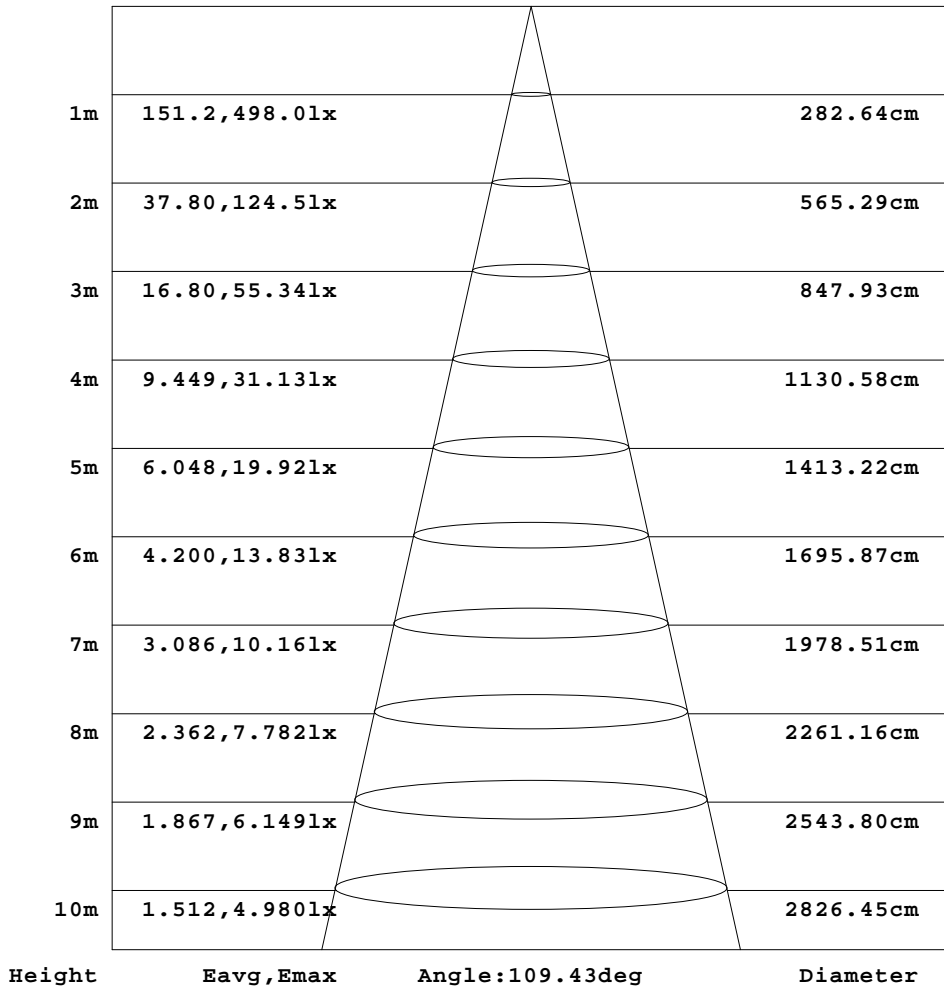
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks:

AAI Figure

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |

Flux out:968.8 lm



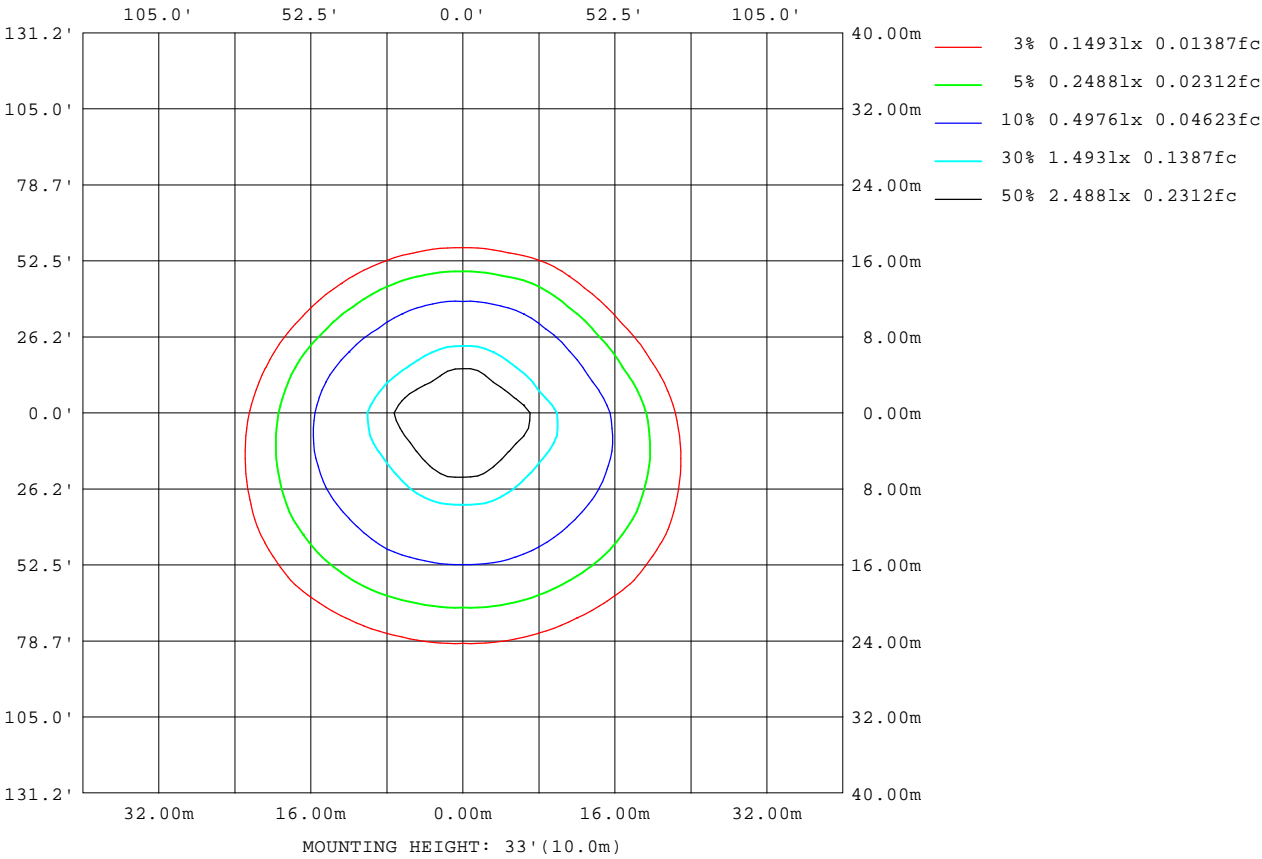
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks:

ISOLUX DIAGRAM

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:
Test Date:23 April 2021

g Range: 0 - 180DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.010m [K=1.1628]
Remarks:

LED Avg.L Report

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |

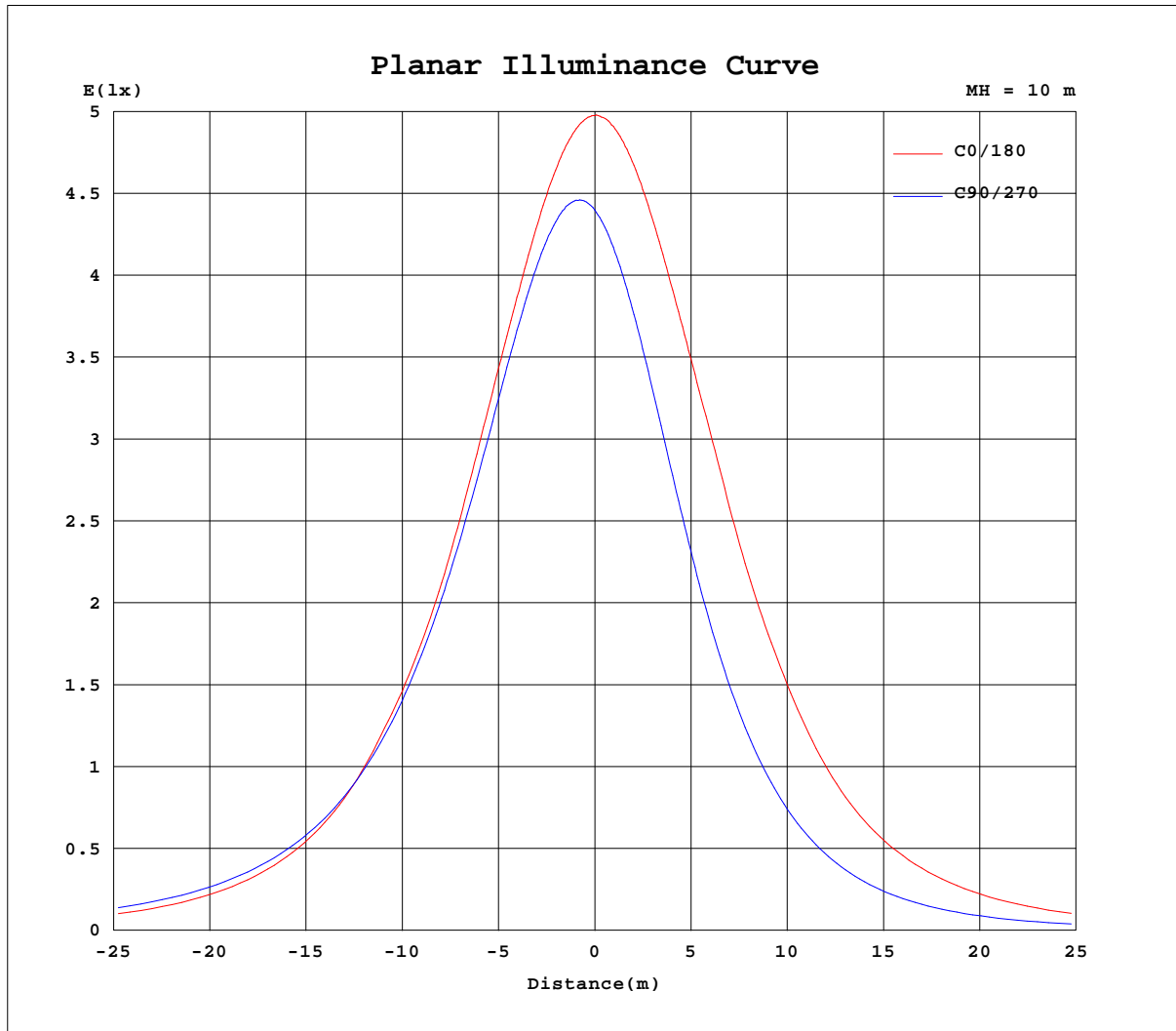
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 947 |
| L_0~180(75)av | 796 |
| L_0~180(85)av | 429 |
| L_90~270(65)av | 883 |
| L_90~270(75)av | 1006 |
| L_90~270(85)av | 1855 |
| L_45(65)av | 1115 |
| L_45(75)av | 1248 |
| L_45(85)av | 1977 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators:
 Test Date: 23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 3.010m [K=1.1628]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |

Table--1

UNIT: cd

| C(DEG) g (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 | 431 |
| 5 | 430 | 434 | 437 | 439 | 441 | 442 | 442 | 442 | 442 | 440 | 438 | 435 | 431 | 427 | 424 | 421 | 419 | 417 | 416 |
| 10 | 428 | 436 | 440 | 445 | 448 | 449 | 450 | 450 | 449 | 446 | 442 | 438 | 431 | 421 | 414 | 408 | 404 | 399 | 398 |
| 15 | 426 | 436 | 442 | 448 | 452 | 453 | 453 | 453 | 454 | 450 | 445 | 440 | 429 | 414 | 403 | 393 | 387 | 378 | 377 |
| 20 | 422 | 435 | 442 | 449 | 454 | 453 | 452 | 452 | 456 | 452 | 445 | 442 | 427 | 406 | 390 | 377 | 367 | 355 | 352 |
| 25 | 417 | 432 | 440 | 448 | 452 | 450 | 447 | 447 | 455 | 450 | 445 | 441 | 423 | 396 | 375 | 358 | 345 | 329 | 326 |
| 30 | 410 | 429 | 436 | 444 | 448 | 442 | 438 | 438 | 450 | 448 | 441 | 440 | 419 | 384 | 358 | 337 | 321 | 301 | 297 |
| 35 | 397 | 424 | 430 | 438 | 441 | 431 | 426 | 425 | 444 | 442 | 436 | 438 | 407 | 368 | 339 | 314 | 295 | 272 | 267 |
| 40 | 379 | 416 | 422 | 429 | 432 | 416 | 409 | 408 | 434 | 433 | 428 | 435 | 390 | 345 | 317 | 288 | 268 | 242 | 237 |
| 45 | 359 | 403 | 412 | 418 | 419 | 398 | 390 | 389 | 421 | 422 | 418 | 427 | 369 | 318 | 293 | 261 | 239 | 212 | 206 |
| 50 | 329 | 381 | 399 | 404 | 402 | 376 | 367 | 365 | 405 | 408 | 406 | 403 | 333 | 289 | 265 | 231 | 209 | 181 | 176 |
| 55 | 288 | 347 | 382 | 387 | 380 | 350 | 342 | 340 | 385 | 391 | 390 | 371 | 292 | 258 | 229 | 200 | 176 | 151 | 146 |
| 60 | 245 | 303 | 356 | 366 | 353 | 322 | 314 | 311 | 358 | 371 | 369 | 325 | 248 | 220 | 191 | 168 | 144 | 122 | 118 |
| 65 | 199 | 256 | 323 | 341 | 320 | 289 | 282 | 280 | 323 | 345 | 330 | 275 | 202 | 171 | 152 | 132 | 112 | 94.6 | 91.1 |
| 70 | 150 | 206 | 277 | 307 | 282 | 253 | 248 | 247 | 282 | 314 | 283 | 222 | 153 | 122 | 113 | 97.9 | 82.5 | 68.5 | 66.4 |
| 75 | 102 | 154 | 221 | 254 | 243 | 220 | 216 | 214 | 239 | 266 | 227 | 167 | 104 | 76.4 | 72.7 | 64.7 | 55.1 | 45.1 | 44.2 |
| 80 | 56.2 | 102 | 163 | 204 | 202 | 186 | 184 | 183 | 199 | 215 | 170 | 112 | 57.3 | 37.1 | 37.2 | 35.6 | 30.7 | 25.4 | 25.4 |
| 85 | 18.3 | 53.5 | 110 | 153 | 158 | 152 | 150 | 149 | 159 | 165 | 120 | 61.3 | 19.0 | 10.8 | 12.3 | 13.1 | 12.6 | 11.2 | 11.2 |
| 90 | 0.89 | 20.5 | 67.8 | 110 | 120 | 116 | 117 | 116 | 121 | 120 | 76.4 | 27.1 | 0.75 | 0.83 | 1.24 | 1.57 | 1.76 | 1.72 | 2.35 |
| 95 | 0.73 | 4.94 | 29.5 | 48.1 | 47.6 | 49.6 | 50.9 | 50.0 | 47.7 | 56.8 | 33.8 | 8.67 | 0.81 | 1.02 | 1.32 | 1.64 | 1.78 | 1.72 | 1.72 |
| 100 | 0.95 | 2.95 | 15.9 | 29.1 | 38.7 | 42.3 | 47.5 | 44.5 | 39.9 | 35.9 | 21.9 | 5.55 | 1.12 | 1.31 | 1.65 | 1.97 | 2.11 | 2.03 | 2.03 |
| 105 | 1.15 | 2.97 | 11.7 | 23.2 | 27.6 | 25.6 | 26.2 | 25.4 | 28.5 | 27.8 | 15.4 | 4.64 | 1.41 | 1.47 | 1.92 | 2.18 | 2.35 | 2.28 | 2.32 |
| 110 | 1.36 | 3.10 | 8.14 | 16.5 | 22.0 | 22.7 | 22.3 | 21.6 | 21.7 | 19.2 | 11.2 | 4.52 | 1.70 | 1.60 | 2.06 | 2.32 | 2.48 | 2.41 | 2.43 |
| 115 | 1.47 | 3.24 | 6.53 | 11.4 | 15.8 | 18.3 | 18.2 | 17.4 | 15.5 | 13.0 | 8.77 | 4.41 | 1.84 | 1.68 | 2.10 | 2.41 | 2.53 | 2.44 | 2.42 |
| 120 | 1.53 | 3.34 | 5.97 | 8.78 | 11.3 | 13.4 | 13.5 | 12.5 | 10.9 | 9.60 | 7.49 | 4.31 | 1.94 | 1.71 | 2.16 | 2.31 | 2.50 | 2.41 | 2.38 |
| 125 | 1.55 | 3.21 | 5.09 | 7.55 | 8.94 | 9.84 | 9.88 | 8.95 | 8.40 | 7.96 | 6.80 | 4.09 | 1.98 | 1.66 | 2.07 | 2.29 | 2.30 | 2.24 | 2.30 |
| 130 | 1.55 | 2.90 | 4.38 | 6.06 | 7.85 | 8.05 | 8.21 | 7.39 | 7.30 | 6.93 | 5.35 | 3.72 | 1.90 | 1.57 | 1.98 | 2.23 | 2.27 | 2.20 | 2.12 |
| 135 | 1.58 | 2.72 | 3.47 | 4.97 | 7.08 | 7.06 | 7.35 | 6.55 | 6.54 | 5.58 | 4.38 | 3.40 | 1.85 | 1.50 | 1.88 | 2.20 | 2.20 | 2.05 | 2.07 |
| 140 | 1.54 | 2.47 | 3.05 | 4.25 | 6.19 | 6.44 | 6.69 | 6.02 | 5.98 | 4.49 | 3.74 | 3.02 | 1.76 | 1.44 | 1.79 | 2.06 | 2.14 | 1.98 | 1.98 |
| 145 | 1.53 | 2.18 | 2.68 | 2.92 | 4.80 | 5.86 | 6.72 | 5.57 | 4.71 | 3.03 | 3.22 | 2.71 | 1.67 | 1.41 | 1.65 | 1.94 | 2.06 | 1.94 | 1.95 |
| 150 | 1.46 | 2.07 | 2.33 | 2.64 | 2.96 | 4.81 | 5.72 | 5.03 | 2.67 | 2.61 | 2.73 | 2.44 | 1.58 | 1.35 | 1.52 | 1.83 | 1.87 | 1.77 | 1.85 |
| 155 | 1.40 | 2.01 | 2.25 | 2.42 | 2.80 | 2.67 | 3.26 | 2.64 | 2.48 | 2.46 | 2.48 | 2.30 | 1.47 | 1.31 | 1.47 | 1.60 | 1.73 | 1.65 | 1.70 |
| 160 | 1.32 | 1.86 | 2.06 | 2.02 | 2.37 | 2.72 | 2.45 | 2.38 | 2.49 | 2.23 | 2.35 | 2.14 | 1.38 | 1.25 | 1.41 | 1.47 | 1.48 | 1.45 | 1.48 |
| 165 | 1.24 | 1.65 | 1.90 | 2.02 | 2.08 | 2.47 | 2.03 | 2.20 | 2.32 | 2.22 | 2.06 | 1.94 | 1.27 | 1.15 | 1.31 | 1.39 | 1.37 | 1.19 | 1.19 |
| 170 | 1.35 | 1.73 | 1.93 | 1.93 | 1.92 | 1.92 | 2.50 | 2.19 | 2.12 | 2.10 | 2.10 | 1.77 | 1.34 | 1.18 | 1.28 | 1.27 | 1.27 | 1.09 | 1.13 |
| 175 | 1.39 | 1.64 | 1.82 | 1.88 | 1.61 | 1.54 | 2.13 | 1.66 | 1.98 | 1.87 | 1.70 | 1.61 | 1.32 | 1.26 | 1.25 | 1.30 | 1.22 | 1.02 | 1.10 |
| 180 | 1.41 | 1.48 | 1.54 | 1.61 | 1.52 | 1.22 | 1.36 | 1.34 | 1.41 | 1.56 | 1.53 | 1.50 | 1.42 | 1.48 | 1.55 | 1.61 | 1.52 | 1.22 | 1.37 |

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:

Test Date:23 April 2021

g Range: 0 - 180DEG

g Interval: 0.5DEG

Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402

Humidity:65.0%

Test Distance:3.010m [K=1.1628]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|--|--------|------------------|
| Test:U:119.90V I:0.1743A P:19.190W PF:0.9185 Freq:59.98Hz Lamp Flux:1574.44x1 lm | | |
| NAME: ASD-UCB-40D20CC-WH-4000K | TYPE:0 | WEIGHT: |
| SPEC.:20W | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting Corp | SUR.: | Shielding Angle: |

Table--2

UNIT: cd

| C(DEG) g (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 431 | 431 | 431 | 431 | 431 | | | | | | | | | | | | | | | |
| 5 | 417 | 418 | 420 | 423 | 426 | | | | | | | | | | | | | | | |
| 10 | 399 | 403 | 407 | 412 | 420 | | | | | | | | | | | | | | | |
| 15 | 377 | 385 | 391 | 400 | 413 | | | | | | | | | | | | | | | |
| 20 | 353 | 365 | 374 | 386 | 404 | | | | | | | | | | | | | | | |
| 25 | 327 | 342 | 354 | 371 | 395 | | | | | | | | | | | | | | | |
| 30 | 298 | 318 | 333 | 353 | 382 | | | | | | | | | | | | | | | |
| 35 | 268 | 292 | 309 | 333 | 358 | | | | | | | | | | | | | | | |
| 40 | 237 | 264 | 283 | 311 | 332 | | | | | | | | | | | | | | | |
| 45 | 206 | 236 | 255 | 283 | 304 | | | | | | | | | | | | | | | |
| 50 | 176 | 206 | 226 | 249 | 274 | | | | | | | | | | | | | | | |
| 55 | 146 | 176 | 193 | 213 | 243 | | | | | | | | | | | | | | | |
| 60 | 118 | 144 | 157 | 177 | 208 | | | | | | | | | | | | | | | |
| 65 | 91.2 | 112 | 123 | 140 | 173 | | | | | | | | | | | | | | | |
| 70 | 66.2 | 81.1 | 91.2 | 105 | 132 | | | | | | | | | | | | | | | |
| 75 | 43.8 | 53.4 | 60.9 | 70.5 | 84.5 | | | | | | | | | | | | | | | |
| 80 | 24.9 | 30.2 | 33.6 | 39.8 | 43.2 | | | | | | | | | | | | | | | |
| 85 | 11.0 | 12.6 | 13.2 | 14.8 | 14.2 | | | | | | | | | | | | | | | |
| 90 | 2.32 | 3.42 | 2.76 | 2.75 | 2.13 | | | | | | | | | | | | | | | |
| 95 | 1.67 | 1.72 | 1.61 | 1.30 | 1.43 | | | | | | | | | | | | | | | |
| 100 | 1.97 | 2.04 | 1.97 | 1.62 | 1.51 | | | | | | | | | | | | | | | |
| 105 | 2.23 | 2.30 | 2.18 | 1.88 | 1.48 | | | | | | | | | | | | | | | |
| 110 | 2.33 | 2.43 | 2.29 | 1.98 | 1.63 | | | | | | | | | | | | | | | |
| 115 | 2.34 | 2.43 | 2.31 | 2.02 | 1.76 | | | | | | | | | | | | | | | |
| 120 | 2.28 | 2.35 | 2.17 | 2.08 | 1.84 | | | | | | | | | | | | | | | |
| 125 | 2.14 | 2.13 | 2.15 | 2.03 | 1.78 | | | | | | | | | | | | | | | |
| 130 | 2.04 | 2.12 | 2.09 | 1.97 | 1.69 | | | | | | | | | | | | | | | |
| 135 | 1.94 | 2.03 | 2.06 | 1.86 | 1.62 | | | | | | | | | | | | | | | |
| 140 | 1.86 | 1.97 | 1.98 | 1.80 | 1.56 | | | | | | | | | | | | | | | |
| 145 | 1.88 | 1.94 | 1.88 | 1.72 | 1.50 | | | | | | | | | | | | | | | |
| 150 | 1.74 | 1.76 | 1.80 | 1.59 | 1.44 | | | | | | | | | | | | | | | |
| 155 | 1.61 | 1.67 | 1.60 | 1.51 | 1.40 | | | | | | | | | | | | | | | |
| 160 | 1.40 | 1.45 | 1.43 | 1.43 | 1.37 | | | | | | | | | | | | | | | |
| 165 | 1.21 | 1.31 | 1.36 | 1.33 | 1.27 | | | | | | | | | | | | | | | |
| 170 | 1.18 | 1.20 | 1.26 | 1.39 | 1.26 | | | | | | | | | | | | | | | |
| 175 | 1.08 | 1.16 | 1.27 | 1.34 | 1.38 | | | | | | | | | | | | | | | |
| 180 | 1.34 | 1.41 | 1.55 | 1.54 | 1.50 | | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:
 Test Date:23 April 2021

g Range: 0 - 180DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:3.010m [K=1.1628]
 Remarks: